

#10



1600

RECEIVED

AUG 11 2003

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/687,993A

DATE: 08/06/2003

TIME: 09:18:11

Input Set : A:\A-357C-USSN09687993.txt

Output Set: N:\CRF4\08062003\I687993A.raw

TECH CENTER 1600/2900

ENTERED

3 <110> APPLICANT: Amgen Inc.
 5 <120> TITLE OF INVENTION: Truncated Glial Cell Line-Derived Neurotrophic Factor
 7 <130> FILE REFERENCE: A-357C
 9 <140> CURRENT APPLICATION NUMBER: 09/687,993A
 10 <141> CURRENT FILING DATE: 2000-10-13
 12 <150> PRIOR APPLICATION NUMBER: 08/535,681
 13 <151> PRIOR FILING DATE: 1995-09-28
 15 <160> NUMBER OF SEQ ID NOS: 51
 17 <170> SOFTWARE: PatentIn version 3.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 402
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Homo sapiens
 24 <220> FEATURE:
 25 <221> NAME/KEY: CDS
 26 <222> LOCATION: (1)..(402)
 27 <223> OTHER INFORMATION:
 W--> 30 <400> 1
 31 tca cca gat aaa caa atg gca gtg ctt cct aga aga gag cgg aat cgg 48
 32 Ser Pro Asp Lys Gln Met Ala Val Leu Pro Arg Arg Glu Arg Asn Arg
 33 1 5 10 15
 35 cag gct gca gct gcc aac cca gag aat tcc aga gga aaa ggt cgg aga 96
 36 Gln Ala Ala Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg
 37 20 25 30
 39 ggc cag agg ggc aaa aac cgg ggt tgt gtc tta act gca ata cat tta 144
 40 Gly Gln Arg Gly Lys Asn Arg Gly Cys Val Leu Thr Ala Ile His Leu
 41 35 40 45
 43 aat gtc act gac ttg ggt ctg ggc tat gaa acc aag gag gaa ctg att 192
 44 Asn Val Thr Asp Leu Gly Leu Gly Tyr Glu Thr Lys Glu Glu Leu Ile
 45 50 55 60
 47 ttt agg tac tgc agc ggc tct tgc gat gca gct gag aca acg tac gac 240
 48 Phe Arg Tyr Cys Ser Gly Ser Cys Asp Ala Ala Glu Thr Thr Tyr Asp
 49 65 70 75 80
 51 aaa ata ttg aaa aac tta tcc aga aat aga agg ctg gtg act gac aaa 288
 52 Lys Ile Leu Lys Asn Leu Ser Arg Asn Arg Arg Leu Val Thr Asp Lys
 53 85 90 95
 55 gta ggg cag gca tgt tgc aga ccc atc gcc ttt gat gat gac ctg tcg 336
 56 Val Gly Gln Ala Cys Cys Arg Pro Ile Ala Phe Asp Asp Asp Leu Ser
 57 100 105 110
 59 ttt tta gat gat aac ctg gtt tac cat att cta aga aag cat tcc gct 384
 60 Phe Leu Asp Asp Asn Leu Val Tyr His Ile Leu Arg Lys His Ser Ala
 61 115 120 125
 63 aaa agg tgt gga tgt atc 402

RAW SEQUENCE LISTING

DATE: 08/06/2003

PATENT APPLICATION: US/09/687,993A

TIME: 09:18:21

Input Set : A:\A-357C-USSN09687993.txt

Output Set: N:\CRF4\08062003\I687993A.raw

```

64 Lys Arg Cys Gly Cys Ile
65      130
68 <210> SEQ ID NO: 2
69 <211> LENGTH: 134
70 <212> TYPE: PRT
71 <213> ORGANISM: Homo sapiens
73 <400> SEQUENCE: 2
75 Ser Pro Asp Lys Gln Met Ala Val Leu Pro Arg Arg Glu Arg Asn Arg
76 1          5          10          15
79 Gln Ala Ala Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg
80      20          25          30
83 Gly Gln Arg Gly Lys Asn Arg Gly Cys Val Leu Thr Ala Ile His Leu
84      35          40          45
87 Asn Val Thr Asp Leu Gly Leu Gly Tyr Glu Thr Lys Glu Glu Leu Ile
88      50          55          60
91 Phe Arg Tyr Cys Ser Gly Ser Cys Asp Ala Ala Glu Thr Thr Tyr Asp
92 65          70          75          80
95 Lys Ile Leu Lys Asn Leu Ser Arg Asn Arg Arg Leu Val Thr Asp Lys
96      85          90          95
99 Val Gly Gln Ala Cys Cys Arg Pro Ile Ala Phe Asp Asp Asp Leu Ser
100      100          105          110
103 Phe Leu Asp Asp Asn Leu Val Tyr His Ile Leu Arg Lys His Ser Ala
104      115          120          125
107 Lys Arg Cys Gly Cys Ile
108      130
111 <210> SEQ ID NO: 3
112 <211> LENGTH: 4
113 <212> TYPE: PRT
114 <213> ORGANISM: Homo sapiens
116 <400> SEQUENCE: 3
118 Lys Asn Arg Gly
119 1
122 <210> SEQ ID NO: 4
123 <211> LENGTH: 5
124 <212> TYPE: PRT
125 <213> ORGANISM: Homo sapiens
127 <400> SEQUENCE: 4
129 Gly Lys Asn Arg Gly
130 1          5
133 <210> SEQ ID NO: 5
134 <211> LENGTH: 6
135 <212> TYPE: PRT
136 <213> ORGANISM: Homo sapiens
138 <400> SEQUENCE: 5
140 Arg Gly Lys Asn Arg Gly
141 1          5
144 <210> SEQ ID NO: 6
145 <211> LENGTH: 7
146 <212> TYPE: PRT

```

RAW SEQUENCE LISTING

DATE: 08/06/2003

PATENT APPLICATION: US/09/687,993A

TIME: 09:18:21

Input Set : A:\A-357C-USSN09687993.txt

Output Set: N:\CRF4\08062003\I687993A.raw

```

147 <213> ORGANISM: Homo sapiens
149 <400> SEQUENCE: 6
151 Gln Arg Gly Lys Asn Arg Gly
152 1 5
155 <210> SEQ ID NO: 7
156 <211> LENGTH: 8
157 <212> TYPE: PRT
158 <213> ORGANISM: Homo sapiens
160 <400> SEQUENCE: 7
162 Gly Gln Arg Gly Lys Asn Arg Gly
163 1 5
166 <210> SEQ ID NO: 8
167 <211> LENGTH: 9
168 <212> TYPE: PRT
169 <213> ORGANISM: Homo sapiens
171 <400> SEQUENCE: 8
173 Arg Gly Gln Arg Gly Lys Asn Arg Gly
174 1 5
177 <210> SEQ ID NO: 9
178 <211> LENGTH: 10
179 <212> TYPE: PRT
180 <213> ORGANISM: Homo sapiens
182 <400> SEQUENCE: 9
184 Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly
185 1 5 10
188 <210> SEQ ID NO: 10
189 <211> LENGTH: 11
190 <212> TYPE: PRT
191 <213> ORGANISM: Homo sapiens
193 <400> SEQUENCE: 10
195 Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly
196 1 5 10
199 <210> SEQ ID NO: 11
200 <211> LENGTH: 12
201 <212> TYPE: PRT
202 <213> ORGANISM: Homo sapiens
204 <400> SEQUENCE: 11
206 Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly
207 1 5 10
210 <210> SEQ ID NO: 12
211 <211> LENGTH: 13
212 <212> TYPE: PRT
213 <213> ORGANISM: Homo sapiens
215 <400> SEQUENCE: 12
217 Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly
218 1 5 10
221 <210> SEQ ID NO: 13
222 <211> LENGTH: 14
223 <212> TYPE: PRT

```

RAW SEQUENCE LISTING

DATE: 08/06/2003

PATENT APPLICATION: US/09/687,993A

TIME: 09:18:21

Input Set : A:\A-357C-USSN09687993.txt

Output Set: N:\CRF4\08062003\I687993A.raw

224 <213> ORGANISM: Homo sapiens
 226 <400> SEQUENCE: 13
 228 Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly
 229 1 5 10
 232 <210> SEQ ID NO: 14
 233 <211> LENGTH: 15
 234 <212> TYPE: PRT
 235 <213> ORGANISM: Homo sapiens
 237 <400> SEQUENCE: 14
 239 Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly
 240 1 5 10 15
 243 <210> SEQ ID NO: 15
 244 <211> LENGTH: 16
 245 <212> TYPE: PRT
 246 <213> ORGANISM: Homo sapiens
 248 <400> SEQUENCE: 15
 250 Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly
 251 1 5 10 15
 254 <210> SEQ ID NO: 16
 255 <211> LENGTH: 17
 256 <212> TYPE: PRT
 257 <213> ORGANISM: Homo sapiens
 259 <400> SEQUENCE: 16
 261 Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg
 262 1 5 10 15
 265 Gly
 269 <210> SEQ ID NO: 17
 270 <211> LENGTH: 18
 271 <212> TYPE: PRT
 272 <213> ORGANISM: Homo sapiens
 274 <400> SEQUENCE: 17
 276 Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn
 277 1 5 10 15
 280 Arg Gly
 284 <210> SEQ ID NO: 18
 285 <211> LENGTH: 19
 286 <212> TYPE: PRT
 287 <213> ORGANISM: Homo sapiens
 289 <400> SEQUENCE: 18
 291 Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys
 292 1 5 10 15
 295 Asn Arg Gly
 299 <210> SEQ ID NO: 19
 300 <211> LENGTH: 20
 301 <212> TYPE: PRT
 302 <213> ORGANISM: Homo sapiens
 304 <400> SEQUENCE: 19
 306 Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly
 307 1 5 10 15

RAW SEQUENCE LISTING

DATE: 08/06/2003

PATENT APPLICATION: US/09/687,993A

TIME: 09:18:21

Input Set : A:\A-357C-USSN09687993.txt

Output Set: N:\CRF4\08062003\I687993A.raw

```

310 Lys Asn Arg Gly
311      20
314 <210> SEQ ID NO: 20
315 <211> LENGTH: 21
316 <212> TYPE: PRT
317 <213> ORGANISM: Homo sapiens
319 <400> SEQUENCE: 20
321 Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg
322 1      5      10      15
325 Gly Lys Asn Arg Gly
326      20
329 <210> SEQ ID NO: 21
330 <211> LENGTH: 22
331 <212> TYPE: PRT
332 <213> ORGANISM: Homo sapiens
334 <400> SEQUENCE: 21
336 Ala Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln
337 1      5      10      15
340 Arg Gly Lys Asn Arg Gly
341      20
344 <210> SEQ ID NO: 22
345 <211> LENGTH: 23
346 <212> TYPE: PRT
347 <213> ORGANISM: Homo sapiens
349 <400> SEQUENCE: 22
351 Ala Ala Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly
352 1      5      10      15
355 Gln Arg Gly Lys Asn Arg Gly
356      20
359 <210> SEQ ID NO: 23
360 <211> LENGTH: 24
361 <212> TYPE: PRT
362 <213> ORGANISM: Homo sapiens
364 <400> SEQUENCE: 23
366 Gln Ala Ala Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg
367 1      5      10      15
370 Gly Gln Arg Gly Lys Asn Arg Gly
371      20
374 <210> SEQ ID NO: 24
375 <211> LENGTH: 25
376 <212> TYPE: PRT
377 <213> ORGANISM: Homo sapiens
379 <400> SEQUENCE: 24
381 Arg Gln Ala Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg
382 1      5      10      15
385 Arg Gly Gln Arg Gly Lys Asn Arg Gly
386      20      25
389 <210> SEQ ID NO: 25
390 <211> LENGTH: 26

```

VERIFICATION SUMMARY

DATE: 08/06/2003

PATENT APPLICATION: US/09/687,993A

TIME: 09:18:22

Input Set : A:\A-357C-USSN09687993.txt

Output Set: N:\CRF4\08062003\I687993A.raw

L:30 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:27
L:680 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:41,Line#:677
L:764 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:43,Line#:761
L:840 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:45,Line#:837